

Title (en)  
CATHETER WITH VALVE

Title (de)  
KATHETER MIT VENTIL

Title (fr)  
CATHÉTER DOTÉ D'UNE VALVE

Publication  
**EP 2666507 B1 20170118 (EN)**

Application  
**EP 13181185 A 20120308**

Priority  
• JP 2011050890 A 20110308  
• EP 12158534 A 20120308

Abstract (en)  
[origin: EP2497518A1] A catheter with a valve is disclosed that allows smooth flow of a solution in both directions when a solution is flowing from the inside of a catheter towards the outside of a catheter and when a solution is flowing from the outside of a catheter towards the inside of a catheter. The catheter includes a tubular body 12 made of an elastic and flexible synthetic resin material. The catheter is equipped with a valve B1 having a slit 16 that can be opened and closed passing through the outer surface 12b of the tubular body from the inner surface 12a of the tubular body. The catheter is also provided with the movable wall 15 sunken towards the inside of the tubular body 12 at an end tip member region 14 of the tubular body 12. The location where the movable wall 15 exists has a structure with differences in hardness in the thickness direction of the tubular body 12. In the cross-sectional surface perpendicular to the center axis C1 of the tubular body 12, the movable wall 15 has a wall central member P1 located at a position close to the center axis C1 and a movable wall tip member P2 located at a position far from the center axis C1. The slit 16, is formed on the movable wall tip member P2.

IPC 8 full level  
**A61M 25/00** (2006.01)

CPC (source: BR EP US)  
**A61M 25/0075** (2013.01 - BR EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2497518 A1 20120912; EP 2497518 B1 20140820**; AU 2012201416 A1 20120927; AU 2012201416 B2 20130404; BR 102012005248 A2 20150728; CA 2770752 A1 20120908; CN 102671278 A 20120919; CN 102671278 B 20140723; EP 2666507 A1 20131127; EP 2666507 B1 20170118; IN 682DE2012 A 20150821; JP 2012187158 A 20121004; JP 5713732 B2 20150507; MX 2012002904 A 20130605; US 2012232494 A1 20120913; US 8986263 B2 20150324

DOCDB simple family (application)  
**EP 12158534 A 20120308**; AU 2012201416 A 20120308; BR 102012005248 A 20120308; CA 2770752 A 20120308; CN 201210059962 A 20120308; EP 13181185 A 20120308; IN 682DE2012 A 20120309; JP 2011050890 A 20110308; MX 2012002904 A 20120308; US 201213412845 A 20120306